

Title (en)
SWITCHING DEVICE FOR A RADIO PUSHBUTTON, RADIO PUSHBUTTON, AND METHOD FOR PRODUCING A SWITCHING SIGNAL OF A SWITCHING DEVICE

Title (de)
SCHALTVORRICHTUNG FÜR EINEN FUNKTASTER, FUNKTASTER UND VERFAHREN ZUM ERZEUGEN EINES SCHALTSIGNALS EINER SCHALTVORRICHTUNG

Title (fr)
DISPOSITIF DE COMMUTATION POUR UN BOUTON-POUSOIR ÉMETTEUR, BOUTON-POUSOIR ÉMETTEUR, ET PROCÉDÉ DE GÉNÉRATION D'UN SIGNAL DE COMMUTATION D'UN DISPOSITIF DE COMMUTATION

Publication
EP 3008742 B1 20190508 (DE)

Application
EP 14723425 A 20140512

Priority
• DE 102013211015 A 20130613
• EP 2014059599 W 20140512

Abstract (en)
[origin: WO2014198471A1] The invention relates to a switching device (130) for a radio pushbutton (100). The switching device (130) has an energy-converting apparatus (140), a signal-outputting apparatus (160), actuating means (170, 172, 180) and a plurality of coding contacts (155). The switching device (130) is characterised in that the actuating means (170, 172, 180) are designed to contact at least one of the plurality of coding contacts (155) during an actuating process of the switching device (130), in order to provide a coding signal when a first magnitude of an actuating force is present in a coding position and to activate the energy-converting apparatus (140) in order to generate energy when a second magnitude of the actuating force that is greater than the first magnitude is present in an activation position. The signal-outputting apparatus (160) is designed to output a switching signal by radio by using the coding signal and the energy.

IPC 8 full level
H01H 9/02 (2006.01); **G08C 17/02** (2006.01); **H01H 23/14** (2006.01); **H02K 35/00** (2006.01)

CPC (source: EP US)
G08C 17/02 (2013.01 - EP US); **H01H 9/0271** (2013.01 - EP US); **H01H 13/14** (2013.01 - US); **H01H 13/64** (2013.01 - US); **H01H 23/143** (2013.01 - EP US); **G08C 2201/11** (2013.01 - EP US); **H01H 9/168** (2013.01 - EP US); **H01H 2239/076** (2013.01 - EP US); **H01H 2300/03** (2013.01 - EP US); **Y02B 90/20** (2013.01 - EP US); **Y04S 20/14** (2013.01 - EP US)

Citation (opposition)
Opponent : EnOcean GmbH
• DE 10256156 A1 20040415 - ENOCEAN GMBH [DE]
• EP 1473748 A1 20041103 - GENTER CHRISTIAN [CH]
• DE 102007019792 A1 20081030 - ELKA HUGO KRISCHKE GMBH [DE], et al
• DE 102011084407 A1 20130418 - ZAHNRADFABRIK FRIEDRICHSHAFEN [DE]
• DE 202004005837 U1 20040708 - ENOCEAN GMBH [DE]
• UNTERLAGEN ZUR OFFENKUNDIGEN VORBENUTZUNG DES ENOCEAN TRANSMITTER MODULS PTM 21X, October 2012 (2012-10-01)
• "Pushbutton Transmitter Module PTM 210 / PTM 215 Data Sheet", ENOCEAN(R), October 2012 (2012-10-01), XP055684561
• "Pushbutton Transmitter Device PTM 210/PTM 215 / PTM 21U", ENOCEAN, October 2012 (2012-10-01), XP055684564

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
DE 102013211015 A1 20141218; CN 105308704 A 20160203; CN 105308704 B 20181026; EP 3008742 A1 20160420; EP 3008742 B1 20190508; US 2016148764 A1 20160526; US 9922782 B2 20180320; WO 2014198471 A1 20141218

DOCDB simple family (application)
DE 102013211015 A 20130613; CN 201480033595 A 20140512; EP 14723425 A 20140512; EP 2014059599 W 20140512; US 201414897955 A 20140512